

ABSTRACT

An elevator comprises a cage [[(2)]]suspended in an elevator shaft [[(5)]]and provided with cage-side sheaves[[(2a, 2b)]]; a counterweight [[(3)]]suspended in the elevator shaft [[(5)]]and provided with a counterweight-side sheave[[(3a)]]; a diverting sheave [[(11)]]disposed at a position above the counterweight [[(3)]]in an upper part of the elevator shaft[[(5)]]; first and second upper sheaves [[(9, 12)]]disposed in an upper part of the elevator shaft[[(5)]]; and a main rope [[(4)]]wound around the first and the second upper sheaves[[(9, 12)]], and having a first part wound around the cage-side sheaves [[(2a, 2b)]]and having a first end fastened to a fixed structure in an upper part of the elevator shaft[[(5)]], and a second part passed successively via the counterweight-side sheave [[(3a)]]of the counterweight [[(3)]]and the diverting sheave [[(11)]]and having a second end fastened to the counterweight[[(3)]].